Contents, Volume 44, 1999-2000

July–August 1999

1 MAJOR REVIEW. **Drusen in Age-Related Macular Degeneration: Pathogenesis, Natural Course, and Laser Photocoagulation-Induced Regression.** Ahmed Abdelsalam, MD, Lucian Del Priore, MD, PhD, and Marco A. Zarbin, MD, PhD

31 THERAPEUTIC REVIEW. **The Placebo Effect.** Curtis E. Margo, MD, MPH

45 CLINICAL CHALLENGES. **Double Vision in a Child.** Imtiaz A. Mehkri, MD, Steven Awner, MD, Scott E. Olitsky, MD, Mark S. Dias, MD, FACS, and Thomas R. Elmer, Jr., MD

53 CURRENT RESEARCH. **The Electroretinogram in Diabetic Retinopathy.** R. Tzekov, MD, PhD, and G. B. Arden, MD, PhD, FRCOphth

61 PUBLIC HEALTH AND THE EYE. **Telemedicine and Ophthalmology.** Helen K. Li, MD

73 HISTORY OF OPHTHALMOLOGY. **"Eyes" on the Thrones: Imperial Ophthalmologic Nicknames.** John Lascaratos, MD, PhD

79 CLINICAL PATHOLOGIC REVIEW. **Kimura Disease of the Orbit and Ocular Adnexa.** Ronald R. Buggage, MD, Christoph W. Spraul, MD, Ted H. Wojno, MD, and Hans E. Grossniklaus, MD

92 LETTERS
- **92** **Reducing Aniseikonia.** David Jupiter, OD. **Response.** Leonard R. Achiron, OD, Ned S. Witkin, OD, Geoffrey Broocker, MD
- **93** **Grading Conjunctivochalasis.** David E. Eifrig, MD. **Response.** Daniel Meller, MD, and Scheffer C. G. Tseng, MD, PhD

September–October 1999

95 MAJOR REVIEW. **Iatrogenic Choroidal Neovascularization.** Jennifer I. Lim, MD

113 MAJOR REVIEW. **Visual Complaints From Healthy Children.** John D. Wright, Jr., MD, and William P. Boger III, MD

123 DIAGNOSTIC AND SURGICAL TECHNIQUES. **Phacoemulsification and Modern Cataract Surgery.** Eric J. Linebarger, MD, David R. Hardten, MD, Gaurav K. Shah, MD, and Richard L. Lindstrom, MD

148 CLINICAL CHALLENGES. **A Bad Eye and a Sore Lip.** Michael S. Vaphiades, DO, and Andrew G. Lee, MD. **Comments** by Tulay Kansu, MD

153 REVIEWS IN MEDICINE. **Sildenafil (Viagra) and Ophthalmology.** Michael F. Marmor, MD, and Robert Kessler, MD

163 HISTORY OF OPHTHALMOLOGY. **What Ailed Goya?** James G. Ravin, and Tracy B. Ravin

171 PERSPECTIVES IN REFRACTION. **Aligning the Goldmann Tonometer Tip by Means of the "Precontact Whitish Rings."** Eytan Z. Blumenthal, MD

173 CLINICAL PATHOLOGIC REVIEW. **Congenital Cystic Eye: Report of Two Cases and Review of the Literature.** Nobutsugu Hayashi, MD, Michael X. Repka, MD, Hisayuki Ueno, MD, Nicholas T. Iliff, MD, and W. Richard Green, MD

180 MULTIMEDIA REVIEWS
- **180** **The Retina Atlas, by Lawrence A. Yannuzzi, David R. Guyer, and W. Richard Green.** Lee M. Jampol, MD
- **180** **Cosmetic Oculoplastic Surgery: Eyelid, Forehead, and Facial Techniques, 3rd Edition, edited by Allen M. Putterman.** Gary Lissner, MD

183 CURRENT OPHTHALMOLOGY
- **183** Daniel Goodman, MD, comments on: **Strabismus: Accommodative Component Treated by LASIK, by A. Maldonado-Bas and J. Hoyos**
- **184** Robert L. Gendron, PhD, comments on: **A Plasticity for Blood Vessels Remodeling Is Defined by Pericyte Coverage of the Preformed Endothelial Network and Is Regulated by PDGF-B and VEGF, by L.E. Benjamin, I. Nemo, and E. Keshet**

186 TIME OPH. **Crocodile Tears.** Benjamin Mild

October 1999 Supplement

S1 FOREWORD. **The Merck Sharp & Dohme (MSD)/Chibret Awards.** Carlos Tessi, MD, PhD

FIRST PRIZE

S3 **Scanning Laser Ophthalmoscopy–Based Evaluation of Epipapillary Velocities: Method and Physiologic Variability.** Oliver Arend, MD, Alon Harris, PhD, Bruce J. Martin, PhD, and Andreas Remky, MD

SECOND PRIZE

S10 **Histologic and Morphometric Analysis of the Choroid, Bruch's Membrane, and Retinal Pigment Epithelium in Postmortem Eyes With Age-Related Macular Degeneration and Histologic Examination of Surgically Excised Choroidal Neovascular Membranes.** Christoph W. Spraul, MD, Gabriele E. Lang, MD, Hans E. Grossniklaus, MD, and Gerhard K. Lang, MD

SPECIAL RECOGNITION

S33 **Topographic Analysis to Discriminate Glaucomatous From Normal Optic Nerve Heads With a Confocal Scanning Laser: New Optic Disk Analysis Without Any Observer Input.** Michele Iester, MD, Roberta De Ferrari, PhD, and Michele Zanini, PhD

S41 **Quantitative Morphologic and Functional Evaluation of the Optic Nerve Head in Chronic Open-Angle Glaucoma.** Karl U. Bartz-Schmidt, MD, Gabriele Thumann, MD, Christian P. Jonescu-Cuypers, MD, and Gunther K. Krieglstein, MD

S54 **Serial Visual Evoked Potentials in 90 Untreated Patients With Acute Optic Neuritis.** Jette Lautrup Frederiksen, MD, DMSc, and Jorge Petrera, MD, DMSc

S63 **Optic Nerve Morphology May Reveal Adverse Events During Prenatal and Perinatal Life—Digital Image Analysis.** Ann Hellström, MD, PhD

S74 **Experimental Optic Cup Enlargement Caused by Endothelin-1–Induced Chronic Optic Nerve Head Ischemia.** Hidehiro Oku, MD, Tetsuya Sugiyama, MD, Shota Kojima, MD, Toshio Watanabe, MD, and Ikuo Azuma, MD

S85 **Methylprednisolone Therapy for Retinal Laser Injury.** Yoram Solberg, MD, PhD, Galina Dubinski, PhD, Marina Tchirkov, MSc, Michael Belkin, MD, MA, and Mordechai Rosner, MD, MSc

S93 **Experimental Animal Myopia Models Are Applicable to Human Juvenile-Onset Myopia.** C. Meyer, MD, M. F. Mueller, MD, G. I. W. Duncker, MD, and H.-J. Meyer, MD

S103 **Axial Length Increase in Lid-Sutured Rabbits.** Marco Verolino, MD, Giacomo Nastri, MD, Luigi Sellitti, MD, and Ciro Costagliola, MD

S109 **Prevalence of Myopia and Refractive Changes in Students From 3 to 17 Years of Age.** Hiroomi Matsumura, MD, and Hiroaki Hirai, MD

November–December 2000

187 MAJOR REVIEW. **Nonthyroid Causes of Extraocular Muscle Disease.** Brendan Lacey, MD, Wilma Chang, BSc, and Jack Rootman, MD

215 DIAGNOSTIC AND SURGICAL TECHNIQUES. **Controversies in the Management of Open-Globe Injuries Involving the Posterior Segment.** Robert A. Mittra, MD, and William F. Mieler, MD

226 AFTERIMAGES. **The Clinical Spectrum of Schwannomas Presenting With Visual Dysfuncion: A Clinicopathologic Study of Three Cases.** Kimberly Peele Cockerham, MD, Glenn C. Cockerham, MD, Richard Stutzman, MD, Ahmed A. Hidayat, MD, Mark H. Depper, MD, Roger E. Turbin, MD, and John S. Kennerdell, MD

235 CURRENT RESEARCH. **Tumor Suppressor Genes in Ophthalmology.** J. William Harbour, MD

247 CLINICAL CHALLENGES. **Not So Slowly Progressive Visual Loss.** Helen Danesh-Meyer, MD, Kenneth C. Kubis, MD, and Robert C. Sergott, MD. **Comments.** Larry Frohman, MD, and Leonard Bielory, MD

253 HISTORY OF OPHTHALMOLOGY. **From Four-Bed Clinic To Modern Eye Hospital: Ophthalmology in Leipzig, 1820–1996.** Sabine Fahrenbach, PhD, and Peter Wiedemann, MD

267 MULTIMEDIA REVIEWS
- **267** **A Child's Eyes: A Guide to Pediatric Primary Care, by John W. Simon and Joseph H. Calhoun.** Amy S. Noffke, MD
- **267** **New England Eye Center Handbook of Eye Emergencies, by Bradford J. Shingleton and Mariana D. Mean.** Ramin Sarrafizadeh, MD, PhD
- **268** **Clear Corneal Lens Surgery, edited by I. H. Fine.** Robert D. Wertz, MD
- **269** **The Essentials: Walsh and Hoyt's Clinical Neuro-ophthalmology, 5th Edition, edited by Neil R. Miller and Nancy J. Newman.** Michael A. Rosenberg, MD

270 CURRENT OPHTHALMOLOGY
- **270** Stephen D. McLeod, MD, comments on: **Treatment of Severe Ocular-Surface Disorders With Corneal Epithelial Stem-Cell Transplantation, by K. Tsubota, Y. Satake, M. Kaido, et al,** and **Editorial: Epithelial Stem-Cell Transplantation for Severe Ocular-Surface Disease, by E. J. Holland and G. S. Schwartz**
- **271** Susan M. Carden, MBBS, comments on: **Myopia and Ambient Lighting at Night, by G. E. Quinn, C. H. Shin, M. G. Maguire, and R. A. Stone**

273 TIME OPH. **The Golden Years.** by Ben Milder, MD

January–February 2000

275 EDITORIAL. **Changes and Additions to *Survey*'s Editorial Board.** Bernard Schwartz, MD, PhD

277 MAJOR REVIEW. **Enucleation.** Darius M. Moshfeghi, MD, Andrew A. Moshfeghi, MD, and Paul T. Finger, MD

303 DIAGNOSTIC AND SURGICAL TECHNIQUES. **Anatomy of the Orbital Apex and Cavernous Sinus on High-Resolution Magnetic Resonance Images.** Armin Ettl, MD, Karin Zwrtek, MD, Albert Daxer, MD, and Erich Salomonowitz, MD

324 CLINICAL CHALLENGES. **An Unusual Homonymous Visual Field Defect.** Francine Wein, MD, and Neil R. Miller, MD. **Comments** by Michael S. Vaphiades, DO

329 CLINICAL CHALLENGES. **Chiasmopathy?** Helen Danesh-Meyer, MD, Kenneth C. Kubis, MD, and Melvyn A. Wolf, MD. **Comments** by Simmons Lessell, MD

336 CLINICAL PATHOLOGIC REVIEW. **Leiomyoma of the Ciliary Body Extending to the Anterior Chamber: Clinicopathologic and Ultrasound Biomicroscopic Correlation.** Jyotirmay Biswas, MS, S. Krishna Kumar, MD, Lingam Gopal, MS, and Muna P. Bhende, MS

343 HISTORY OF OPHTHALMOLOGY. **A Brief History of Macular Grids: From Thomas Reid to Edvard Munch and Marc Amsler.** Michael F. Marmor, MD

354 MEDICOLEGALITIES. **Measure for Measure.** John D. Bullock, MD

357 REMEMBERANCES OF THINGS PAST. **The Development of the Code of Ethics for the American Academy of Ophthalmology.** Jerome W. Bettman, MD

360 MULTIMEDIA REVIEWS
- **360** **Stereo Atlas of Fluorescein and Indocyanine Green Angiography, by Rosalind A. Stevens, Patrick J. Saine, and Marshall E. Tyler.** Lee M. Jampol, MD
- **360** **Atlas of Vitreous Biomicroscopy, by Charles L. Schepens, Clement L. Trempe, and Masataka Takahashi.** Lee M. Jampol, MD

362 LETTERS
- **362** **Avoiding Misplacement of Blame for Medical Maloccurrence.** Joshua Frankel, MD. **Author's response:** Wayne E. Fung, MD
- **363** **Managing Retained Intravitreal Lens Fragments After Cataract Surgery.** Alexander P. Sudarshan, MD. **Authors' response:** Ramin Monshizadeh, MD, and Robert Haimovici, MD
- **364** **The Placebo Effect.** Bill Sardi. **Authors' response:** Curtis E. Margo, MD, MPH

366 TIME OPH. **The Gentle Art of Persuasion.** Ben Milder, MD

January 2000 Supplement 2

S117 **Introduction.** Alan L. Robin, MD

S119 **Preclinical Overview of Brinzolamide.** Louis DeSantis, PhD

S131 **Increased Optic Nerve Head Blood Flow After 1 Week of Twice Daily Topical Brinzolamide Treatment in Dutch-Belted Rabbits.** George E. Barnes, PhD, Byron Li, MS, Tom Dean, PhD, and Michael L. Chandler, PhD

S141 **Ocular Comfort of Brinzolamide 1.0% Ophthalmic Suspension Compared With Dorzolamide 2.0% Ophthalmic Solution: Results From Two Multicenter Comfort Studies.** Lewis H. Silver, PhD, and the Brinzolamide Comfort Study Group

S147 **Dose-Response Evaluation of the Ocular Hypotensive Effect of Brinzolamide Ophthalmic Suspension (Azopt®).** Lewis H. Silver, PhD, and the Brinzolamide Dose-Response Study Group

S155 **The Efficacy and Safety of Brinzolamide 1% Ophthalmic Suspension (Azopt®) as a Primary Therapy in Patients With Open-Angle Glaucoma or Ocular Hypertension.** Kenneth Sall, PhD, and the Brinzolamide Primary Therapy Study Group

S163 **Adjunctive Therapy With Brinzolamide 1% Ophthalmic Suspension (Azopt®) in Patients With Open-Angle Glaucoma or Ocular Hypertension Maintained on Timolol Therapy.** Dong Shin, MD, PhD, and the Brinzolamide Adjunctive Therapy Study Group

March–April 2000

367 MAJOR REVIEW. **Human Corneal Thickness and Its Impact on Intraocular Pressure Measures: A Review and Meta-analysis Approach.** Michael J. Doughty, PhD, and Mohammed L. Zaman, MBBS

409 CLINICAL PATHOLOGIC REVIEW. **Retinoblastoma in Adults: Report of Three Cases and Review of the Literature.** Jyotirmay Biswas, MS, Baskaran Mani, DO, Mahesh P. Shanmugam, DO, Dilip Patwardhan, MS, K. S. Kumar, MS, and Sengamedu S. Badrinath, FRCS(C)

415 DIAGNOSTIC AND SURGICAL TECHNIQUES. **Limbal Stem Cells of the Corneal Epithelium.** Harminder S. Dua, MD, MS, FRCS, FRCOphth, PhD, and Augusto Azuara-Blanco, MD, PhD

426 CLINICAL CHALLENGES. **Post-Operative Bilateral Vision Loss.** David Remigio, MD, and Christian Wertenbaker, MD. **Comments** by David M. Katz, MD

433 CLINICAL CHALLENGES. **Progressive Visual Loss and Ophthalmoplegia.** Kenneth C. Kubis, MD, Helen Danesh-Meyer, MD, Edmund A. Pribitkin, MD, and Jurij R. Bilyk, MD. **Comments** by Roger E. Turbin, MD, John S. Kennerdell, MD, and Barbara Fowble, MD

442 HISTORY OF OPHTHALMOLOGY. **A Condensed History of Ophthalmology in Cincinnati (1827–1999).** Taylor Asbury, MD

450 MULTIMEDIA REVIEWS
- **450** **The Cornea, by Herbert A. Kaufman, Bruce A. Barron, and Marguerite A. McDonald.** Robert S. Feder, MD
- **451** **Cataract Surgery: The State of the Art, edited by James P. Gills.** Robert D. Wertz, MD
- **452** **Low Vision Rehabilitation: Caring for the Whole Person (Ophthalmology Monographs, 12), edited by Donald C. Fletcher.** Carol L. Barron, OD

453 CURRENT OPHTHALMOLOGY
- **453** Marc F. Lieberman, MD, comments on: **Contrast Sensitivity After Extracapsular and Intracapsular Cataract Extraction, by E.K. Mela, J.X. Koliopoulos, N.M. Pharmakakis, and S.P. Gartaganis**
- **454** Michael Brodsky, MD, comments on: **Premotor Commands Encode Monocular Eye Movements, by W. Zhou** and **W.M. King,** and **Has Hering Been Hooked?, by L. Mays**
- **455** Todd P. Margolis, MD, PhD, comments on: **Discontinuation of Anticytomegalovirus Therapy in Patients with HIV Infection and Cytomegalovirus Retinitis, by S.M. Whitcup, E. Fortin, A.S. Lindblad, et al**

456 LETTERS. **"Filling-In" and Afterimages.** Johannes Christoph Widakowich, MD. **Author's response:** Avinoam B. Safran, MD, and Theodor Landis, MD

May–June 2000

459 MAJOR REVIEW. **Laser Eye Injuries.** Yaniv Barkana, MD, and Michael Belkin, MA, MD

479 MAJOR REVIEW. **Abnormal Supranuclear Eye Movements in the Child: A Practical Guide to Examination and Interpretation.** Lorraine Cassidy, FRCOphth, David Taylor, FRCOphth, and Christopher Harris, PhD

507 CLINICAL CHALLENGES. **Visual Loss in a 42-Year-Old Man.** Suzanne K. Freitag, MD, and Neil R. Miller, MD. **Comments** by Gregory Kosmorsky, DO.

513 CLINICAL CHALLENGES. **Acute Bilateral Ophthalmoplegia in a Young Woman.** Vincent A. Deramo, MD, D. Gerard R. Jayamanne, FRCOphth, David B. Auerbach, DO, and Helen Danesh-Meyer, MD. **Comments** by Valerie A. Purvin, MD

518 CLINICAL PATHOLOGIC REVIEW. **Iris Involvement in Primary Intraocular Lymphoma: Report of Two Cases and Review of the Literature.** Gisela Velez, MD, MPH, Marc D. de Smet, MD, Scott M. Whitcup, MD, Michael Robinson, MD, Robert B. Nussenblatt, MD, and Chi-Chao Chan, MD

527 HISTORY OF OPHTHALMOLOGY. **"Glaucoma affecting each crystalline lens": A Long-Lost Manuscript by Dr. William Mackenzie.** David Mansfield, PhD, FRCS, James Beaton, MA, DipLib ALA, and Harry Bennett, FRCOphth, MRCP(UK)

534 MEDICOLEGALITIES. **Avoiding the Fraud and Abuse Pitfalls.** Glenn Allen, JD, and Phillip J. Goldberg, JD

537 MULTIMEDIA REVIEWS

- **537** **Manual of Cataract Surgery, 2nd Edition, by Gavin G. Bahadur and Robert M. Sinskey.** May Khadem, MD
- **537** **Ocular Pathology: Clinical Applications and Self-Assessment, 5th Edition, by David J. Apple and Maurice F. Rabb.** Paul Bryar, MD
- **538** **Ophthalmology, edited by Myron Yanoff and Jay S. Duker.** Amy L. Weatherwax, MD

539 CURRENT OPHTHALMOLOGY

- **539** Alistair R. Fielder, FRCS, comments on: **Electronic Monitoring of Treatment Compliance in Patching for Amblyopia, by H.H. Simonsz, J.R. Polling, R. Voorn, J. van Leeuwen, H. Meester, C. Romijn, and B.G. Dijkstra**

541 LETTERS

- **541** **Landmarks in the Evolution of Cataract Surgery.** Klaus D. Teichmann, MD. **Author's response:** Eric J. Linebarger, MD
- **541** **Susruta's Role in the Development of Cataract Surgery.** Sanjay Kr. D. Thakur, MD, and A. Panda, MD. **Author's response:** Eric J. Linebarger, MD, David R. Hardten, MD, and Richard L. Lindstrom, MD
- **542** **Sir Harold Ridley Receives England's Highest Honor.** David J. Apple, MD

543 TIME OPH. **Forewarned Is ForeARMD.** Ben Milder, MD

544 ANNUAL MASTHEAD

545 ACKNOWLEDGEMENT OF REFEREES

546 COMPLETE CONTENTS LISTING, VOLUME 44, 1999–2000

551 AUTHOR INDEX

552 SUBJECT INDEX